

**Notice of Allowability**

Application No.

10/006,291

Examiner

Ponnoreay Pich

Applicant(s)

CHEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/12/2005.
2. ☒ The allowed claim(s) is/are 11,12,14-17 and 31-36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/2005
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☒ Interview Summary (PTO-413), Paper No./Mail Date 03022006.
- ☒ Examiner's Amendment/Comment
- ☐ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_.

  
**HOSUK SONG**  
**PRIMARY EXAMINER**

### **DETAILED ACTION**

Claims 1-10 and 18-30 were cancelled. Claims 11-17 and 31-36 are pending.

### ***Information Disclosure Statement***

Not all of the documents listed in the IDS submitted by applicant since the last office action were considered. The Stupek document, i.e. US 2003/00221004, was not considered because it appears applicant listed the wrong publication number, thus the examiner does not know what the correct publication number for the Stupek document is to be able obtain the document for consideration. The NPL documents listed, which were submitted via CD-ROM, were not considered. 37 CFR 1.52(e)(1) lists types of documents that may be submitted by applicant via CD-ROM and NPL documents for an IDS is not on that list, thus applicant did not comply with 37 CFR 1.98, which requires that applicant submit a legible copy of each document that was listed in the IDS other than US patents or US patent application publications.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Christian Nicholes on 3/2/2006. The amendment to claim 11 is to fix a 101 problem by having claim 11 recite a concrete, useful, and tangible result. This is

accomplished by incorporating the subject matter of claim 13 into claim 11. Claim 14 recites a similar limitation as what is recited in claim 13, so it is amended to remove the limitation that would just be repeated once claim 13's subject matter is incorporated into claim 11 since claim 14 depends from claim 11. The application has been amended as follows:

PLEASE CANCEL CLAIM 13 AND AMEND CLAIMS 11 AND 14 IN THE FOLLOWING MANNER:

**Claim 11 (currently amended):**

A method of determining enforcement security devices in a network topology, the method comprising the computer-implemented steps of:

locating a plurality of adjacent nodes within a sequence of nodes, the plurality of adjacent nodes being between a source node and a destination node in the network topology, each node in the plurality of adjacent nodes having at least two adjacent nodes, including a previous node in the sequence and a next node in the sequence, wherein for each node in the plurality of adjacent nodes, the next node is different than the previous node;

for each particular node in the sequence:

determining if the particular node is the destination node, and if the particular node is the destination node, then identify each node in the sequence as being part of a path closure set for the source node and the destination node;

determining if the particular node is a loop closure node, and if the particular node is a loop closure node, then determining if one or more nodes in the

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sequence that are part of a loop path defined by the loop closure node are already designated as being part of the path closure set, then designating each node in the loop path as part of the path closure set, else

designating each node in the loop path as part of the path closure set if at least a designated node in the loop path is subsequently determined to be part of the path closure set; and

identifying one or more enforcement security devices from nodes in the path closure set.

**Claim 13 (cancelled).**

**Claim 14 (currently amended):**

A method as recited in Claim 11, further comprising ~~identifying one or more enforcement security devices from nodes in the path closure set,~~ implementing a security policy on the identified one or more enforcement security devices.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ponnoreay Pich whose telephone number is 571-272-7962. The examiner can normally be reached on 9:00am-4:30pm Mon-Fri.

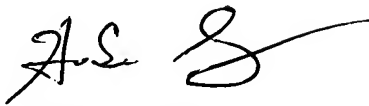
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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